CSF2 monoclonal antibody, clone BVD2-21C11 (Biotin)

Catalog # MAB5863 Size 500 ug

Specification

Product Description	Rat monoclonal antibody raised against recombinant CSF2.
Immunogen	Recombinant protein corresponding to human CSF2.
Host	Rat
Reactivity	Human, Macaque
Specificity	human granulocyte/macrophage-colony stimulating factor (GM-CSF)1-4 The BVD2-21C11 antibody has been reported to cross react with GM-CSF from Rhesus monkey. (This is a neutralizing antibody.).
Form	Liquid
Conjugation	Biotin
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CSF2

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Entrez GeneID	1437
Gene Name	CSF2
Gene Alias	GMCSF, MGC131935, MGC138897
Gene Description	colony stimulating factor 2 (granulocyte-macrophage)
Omim ID	138960
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that controls the production, differentiation, and fun ction of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q 31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myel ogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [pr ovided by RefSeq
Other Designations	colony stimulating factor 2|granulocyte-macrophage colony stimulating factor|molgramostin|sargra mostim

Publication Reference

- Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples.

  Abrams JS, Roncarolo MG, Yssel H, Andersson U, Gleich GJ, Silver JE.

  Immunological Reviews 1992 Jun; 127:5.

- Granulocyte/macrophage colony-stimulating factor and interleukin 3 release from human peripheral blood eosinophils and neutrophils.

  Kita H, Ohnishi T, Okubo Y, Weiler D, Abrams JS, Gleich GJ.

  The Journal of Experimental Medicine 1991 Sep; 174(3):745.

- Host-reactive CD4+ and CD8+ T cell clones isolated from a human chimera produce IL-5, IL-2, IFN-gamma and granulocyte/macrophage-colony-stimulating factor but not IL-4.

  Bacchetta R, de Waal Malefijt R, Yssel H, Abrams J, de Vries JE, Spits H, Roncarolo MG.

  The Journal of Immunology 1990 Feb; 144(3):902.

Pathway

- Cytokine-cytokine receptor interaction

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- Fc epsilon RI signaling pathway
- Hematopoietic cell lineage
- Jak-STAT signaling pathway
- Natural killer cell mediated cytotoxicity
- T cell receptor signaling pathway

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Blindness
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Chlamydia Infections
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Erythema Nodosum
- Esophagitis

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- Fetal Membranes
- Genetic Predisposition to Disease
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Neovascularization
- Obesity
- Obstetric Labor
- Osteoporosis
- Pain
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis

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- Sarcoidosis
- Stroke
- Thyroid Neoplasms
- Trachoma
- Urinary Bladder Neoplasms
- Werner syndrome

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